

Project Title:	Targeting Injury Pathways to Counteract Pulmonary Agent and Vesicant Toxicity
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Grant Number:	U01ES015674

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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A tarantula-venom peptide antagonizes the TRPA1 nociceptor ion channel by binding to the S1-S4 gatin ...	Gui, Junhong; Liu, Boyi; Cao, Guan; Lipchik, Andrew M; Perez, Minervo; Dekan, Zoltan; Mobli, Mehdi; Daly, Norelle L; Alewood, Paul F; Parker, Laurie L; King, Glenn F; Zhou, Yufeng; Jordt, Sven-Eric; Nitabach, Michael N	Curr Biol (2014 Mar 3)	24 / 473-83	PubMed Citation
Breathtaking TRP channels: TRPA1 and TRPV1 in airway chemosensation and reflex control.	Bessac, Bret F; Jordt, Sven-Eric	Physiology (Bethesda) (2008 Dec)	23 / 360-70	PubMed Citation
IL-33/ST2 signaling excites sensory neurons and mediates itch response in a mouse model of poison iv ...	Liu, Boyi; Tai, Yan; Achanta, Satyanarayana; Kaelberer, Melanie M; Caceres, Ana I; Shao, Xiaomei; Fang, Jianqiao; Jordt, Sven-Eric	Proc Natl Acad Sci U S A (2016 Nov 22)	113 / E7572-E7579	PubMed Citation
Oxidized Phospholipid OxPAPC Activates TRPA1 and Contributes to Chronic Inflammatory Pain in Mice.	Liu, Boyi; Tai, Yan; Caceres, Ana I; Achanta, Satyanarayana; Balakrishna, Shrilatha; Shao, Xiaomei; Fang, Junfan; Jordt, Sven-Eric	PLoS One (2016)	11 / e0165200	PubMed Citation
Role of metabolic activation and the TRPA1 receptor in the sensory irritation response to styrene an ...	Lanosa, Michael J; Willis, Daniel N; Jordt, Sven; Morris, John B	Toxicol Sci (2010 Jun)	115 / 589-95	PubMed Citation
Sensory detection and responses to toxic gases: mechanisms, health effects, and countermeasures.	Bessac, Bret F; Jordt, Sven-Eric	Proc Am Thorac Soc (2010 Jul)	7 / 269-77	PubMed Citation

Tear gas: an epidemiological and mechanistic reassessment.	Rothenberg, Craig; Achanta, Satyanarayana; Svendsen, Erik R; Jordt, Sven-Eric	Ann N Y Acad Sci (2016 Aug)	1378 / 96-107	PubMed Cita
Transient receptor potential ankyrin 1 antagonists block the noxious effects of toxic industrial iso ...	Bessac, Bret F; Sivula, Michael; von Hehn, Christian A; Caceres, Ana I; Escalera, Jasmine; Jordt, Sven-Eric	FASEB J (2009 Apr)	23 / 1102-14	PubMed Cita
Trigeminal TRPs and the scent of pain.	Jordt, Sven-Eric	Pain (2011 Jan)	152 / 4-5	PubMed Cita
TRP channels in disease.	Jordt, S E; Ehrlich, B E	Subcell Biochem (2007)	45 / 253-71	PubMed Cita
TRPA1 controls inflammation and pruritogen responses in allergic contact dermatitis.	Liu, Boyi; Escalera, Jasmine; Balakrishna, Shrilatha; Fan, Lu; Caceres, Ana I; Robinson, Eve; Sui, Aiwei; McKay, M Craig; McAlexander, M Allen; Herrick, Christina A; Jordt, Sven E	FASEB J (2013 Sep)	27 / 3549-63	PubMed Cita
TRPA1 is a major oxidant sensor in murine airway sensory neurons.	Bessac, Bret F; Sivula, Michael; von Hehn, Christian A; Escalera, Jasmine; Cohn, Lauren; Jordt, Sven-Eric	J Clin Invest (2008 May)	118 / 1899-910	PubMed Cita
TRPA1 mediates the noxious effects of natural sesquiterpene deterrents.	Escalera, Jasmine; von Hehn, Christian A; Bessac, Bret F; Sivula, Michael; Jordt, Sven-Eric	J Biol Chem (2008 Aug 29)	283 / 24136-44	PubMed Cita
TRPV4 inhibition counteracts edema and inflammation and improves pulmonary function and oxygen satur ...	Balakrishna, Shrilatha; Song, Weifeng; Achanta, Satyanarayana; Doran, Stephen F; Liu, Boyi; Kaelberer, Melanie M; Yu, Zhihong; Sui, Aiwei; Cheung, Mui; Leishman, Emma; Eidam, Hilary S; Ye, Guosen; Willette, Robert N; Thorneloe, Kevin S; Bradshaw, Heather B; Matalon, Sadis; Jordt, Sven-Eric	Am J Physiol Lung Cell Mol Physiol (2014 Jul 15)	307 / L158-72	PubMed Cita